

INTERNATIONAL SEARCH REPORT

PCT/IB 03/03115

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G02F1/1347 G02F1/1334

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHEDMinimum documentation searched (classification system followed by classification symbols)
IPC 7 G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category ^a	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 796 454 A (MA YAO-DONG) 18 August 1998 (1998-08-18) column 11, line 38 -column 13, line 9; figures 8A,8B —	5-7
X	US 6 144 359 A (GRAVE DUANE A) 7 November 2000 (2000-11-07) column 2, line 30 -column 4, line 44; figures 1-3 —	5-7
X	WO 97 01789 A (MINNESOTA MINING & MFG) 16 January 1997 (1997-01-16) page 18, line 12 -page 21, line 25; figures 9-11 —	5,6 —/—

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

Date of mailing of the international search report

30 October 2003

06/11/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Thomas, K

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 693 560 A (WILEY RICHARD) 15 September 1987 (1987-09-15) column 3, line 41 -column 9, line 15; figures 1,3,4 ---	1-4
X	PATENT ABSTRACTS OF JAPAN vol. 008, no. 109 (P-275), 22 May 1984 (1984-05-22) & JP 59 017530 A (TOKYO SHIBAURA DENKI KK), 28 January 1984 (1984-01-28) abstract and figure ---	1-4

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US 5796454	A	18-08-1998	NONE		
US 6144359	A	07-11-2000	NONE		
WO 9701789	A	16-01-1997	US AU BR CA EP JP WO	5686979 A 5964696 A 9608641 A 2224324 A1 0835475 A2 11508377 T 9701789 A2	11-11-1997 30-01-1997 29-06-1999 16-01-1997 15-04-1998 21-07-1999 16-01-1997
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JP 59017530	A	28-01-1984	NONE		